BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Byatarayanapura Division

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of Work:	Development works in Sahakaranagara and Tatanagara park and other allied works in ward no. 8, kodigehalli
Estimated Cost:	Rs. 75.00 Lakhs
Job Code / Indent No	008-20-000052
Head of Account:	P-3602 Special Development Works
Name of Agency:	Chandrashekhar

Sl. No.	Description	Unit	No	L (m)	B (m)	D/H (m)	Qty.	Remarks
Pre-Measurements Recorded on:		04.05.2022						
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.							
	For levelling							
	Sahakaranagara C Block park	Cum	1	18.00	35.00	0.30	189.00	
	CQAL layout park besides	Cum	1	20.00	33.00	0.40	264.00	
	For pathway						0.00	
	Sahakaranagara C Block park	Cum	1	25.00	2.50	0.40	25.00	
		Cum	1	9.60	3.10	0.40	11.90	
		Cum	1	8.40	2.30	0.40	7.72	
		Cum	1	13.00	2.30	0.40	11.96	
		Cum	1	29.30	1.90	0.40	22.26	
	CQAL layout park	Cum	1	4.20	2.70	0.40	4.53	
		Cum	1	4.10	3.30	0.40	5.41	
		Cum	1	27.40	2.30	0.40	25.20	
		Cum	1	4.60	2.30	0.40	4.23	
		Cum	1	32.60	2.30	0.40	29.99	
		Cum	1	34.50	2.30	0.40	31.74	
		Cum	1	44.00	2.30	0.40	40.48	
	For chain link fencing						0.00	
	Sahakaranagara C Block park	Cum	1	25.00	1.00	1.00	25.00	
		Cum	1	4.80	1.00	1.00	4.80	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

703.22

Contractor

Junior Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Sl. No.	Description	Unit	No	L (m)	B (m)	D/H (m)	Qty.	Remarks
		Cum	1	5.70	1.00	1.00	5.70	
		Cum	1	13.00	1.00	1.00	13.00	
		Cum	1	29.30	1.00	1.00	29.30	
	CQAL layout eastern side	Cum	1	4.00	1.00	1.00	4.00	52
		Cum				Total	755.22	
						Lim to	749.64	
Pre-Measurements Recorded on:		09.05.2022						
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.							
	For kerb stones	Cum					0.00	
	C Block alround	Cum	2	85.30	0.30	0.15	7.67	
	CQAL layout park alround	Cum	2	151.40	0.30	0.15	13.62	
	For chain link fencing						0.00	
	Sahakaranagara C Block park	Cum	1	25.00	1.00	0.15	3.75	
		Cum	1	4.80	1.00	0.15	0.72	
		Cum	1	5.70	1.00	0.15	0.85	
		Cum	1	13.00	1.00	0.15	1.95	
		Cum	1	29.30	1.00	0.15	4.39	
	CQAL layout eastern side	Cum	1	4.00	1.00	0.15	0.60	
	for damaged portion	Cum	1	25.00	1.50	0.15	5.62	
		Cum				Total	39.17	
						Lim to	38.55	
Pre-Measurements Recorded on:		11.05.2022						
3	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6 stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.							
	For chain link fencing							
	Sahakaranagara C Block park	cum	1	25.00	0.75	0.60	11.25	
		cum	1	4.80	0.75	0.60	2.16	
		cum	1	5.70	0.75	0.60	2.56	
		cum	1	13.00	0.75	0.60	5.85	
		cum	1	29.30	0.75	0.60	13.18	
	CQAL layout eastern side	cum	1	4.00	0.75	0.60	1.80	
	Total	cum				Total	36.80	
						Lim to	35.82	

Contractor

Junior Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Sl. No.	Description	Unit	No	L (m)	B (m)	D/H (m)	Qty.	Remarks
Pre-Measurements Recorded on:		14.05.2022						
4	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.							
	For chain link fencing							
	Sahakaranagara C Block park	cum	1	25.00	0.45	0.45	5.06	
		cum	1	4.80	0.45	0.45	0.97	
		cum	1	5.70	0.45	0.45	1.15	
		cum	1	13.00	0.45	0.45	2.63	
		cum	1	29.30	0.45	0.45	5.93	
	CQAL layout eastern side	cum	1	4.00	0.45	0.45	0.81	
		cum	1	25.00	0.45	0.45	5.06	
		cum				Total	21.61	
						Lim to	21.18	
Pre-Measurements Recorded on:		16.05.2022						
5	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.							
	For kerb stones	Cum						
	C Block alround	Cum	2	85.30	0.30	0.10	5.11	
	CQAL layout park alround	Cum	2	151.40	0.30	0.10	9.08	
	For chain link fencing	Cum					0.00	
	Sahakaranagara C Block park	Cum	1	25.00	0.45	0.10	1.12	
		Cum	1	4.80	0.45	0.10	0.21	
		Cum	1	5.70	0.45	0.10	0.25	
		Cum	1	13.00	0.45	0.10	0.58	
		Cum	1	29.30	0.45	0.10	1.31	
	CQAL layout eastern side	Cum	1	4.00	0.45	0.10	0.18	
		Cum	1	25.00	0.45	0.10	1.12	
		Cum				Total	18.96	
						Lim to	15.38	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

Junior Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Sl. No.	Description	Unit	No	L (m)	B (m)	D/H (m)	Qty.	Remarks
Pre-Measurements Recorded on:		20.05.2022						
6	Filling the foundations trenches using approved sand as per drawing and technical specifications in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour complete as per specifications.							
	For pathway							
	Sahakaranagara C Block park	Cum	1	25.00	2.50	0.35	21.87	
		Cum	1	9.60	3.10	0.35	10.41	
		Cum	1	8.40	2.30	0.35	6.76	
		Cum	1	13.00	2.30	0.35	10.46	
		Cum	1	29.30	1.90	0.35	19.48	
	CQAL layout park	Cum	1	4.20	2.70	0.30	3.40	
		Cum	1	4.10	3.30	0.30	4.05	
		Cum	1	27.40	2.30	0.30	18.90	
		Cum	1	4.60	2.30	0.30	3.17	
		Cum	1	32.60	2.30	0.30	22.49	
		Cum	1	34.50	2.30	0.30	23.80	
		Cum	1	44.00	2.30	0.30	30.36	
		Cum				Total	175.15	
						Lim to	172.50	

20/5/22

Contractor

Junior Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangal...

BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Byatarayanapura Division

MEASUREMENT SHEET

POST MEASUREMENT

Name of Work:	Development works in Sahakaranagara and Tatanagara park and other allied works in ward no. 8, kodigehalli
Estimated Cost:	Rs. 75.00 Lakhs
Job Code / Indent No	008-20-000052
Head of Account:	P-3602 Special Development Works
Name of Agency:	Chandrashekhar

Post-Measurements Recorded on:	30.06.2022							
Sl. No.	Description	Unit	No	L (m)	B1 (m)	D/H (m)	Qty.	Quoted rate	Amount
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.								
	Quantity vide Pre measurement recorded in E-MB in page No. 2								
		cum				Total	755.22		
						Lim to	749.64	248.50	186285.54
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	Quantity vide Pre measurement recorded in E-MB in page No. 2								
		cum				Total	39.17		
						Lim to	38.55	5665.89	218420.05
3	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6 stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.								
	Quantity vide Pre measurement recorded in E-MB in page No. 2								
		cum				Total	36.80		
						Lim to	35.82	5090.99	182359.26
4	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.								
	Quantity vide Pre measurement recorded in E-MB in page No. 3								

Contractor

Junior Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Sl. No.	Description	Unit	No	L (m)	B1 (m)	D/H (m)	Qty.	Quoted rate	Amount
		cum				Total	21.61		
						Lim to	21.18	6073.52	128637.15
5	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	Quantity vide Pre measurement recorded in E-MB in page No. 3								
		cum				Total	18.96		
						Lim to	15.38	5851.98	90003.45
6	Filling the foundations trenches using approved sand as per drawing and technical specifications in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour complete as per specifications.								
	Quantity vide Pre measurement recorded in E-MB in page No. 4								
		cum				Total	175.15		
						Lim to	172.50	3366.30	580686.75
7	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications.								
	For pathway								
	Sahakaranagara C Block park	Sqm	1	25.00	2.50		62.50		
		Sqm	1	9.60	3.10		29.76		
		Sqm	1	8.40	2.30		19.32		
		Sqm	1	13.00	2.30		29.90		
		Sqm	1	29.30	1.90		55.67		
	CQAL layout park	Sqm	1	4.20	2.70		11.34		
		Sqm	1	4.10	3.30		13.53		
		Sqm	1	27.40	2.30		63.02		
		Sqm	1	4.60	2.30		10.58		
		Sqm	1	32.60	2.30		74.98		
		Sqm	1	34.50	2.30		79.35		
		Sqm	1	44.00	2.30		101.20		
	Children park pathway broken	Sqm	1	25.00	1.50		37.50		
		Sqm	1	20.00	1.50		30.00		
		Sqm				Total	618.65		
						Lim to	615.00	1166.41	717342.15
8	Providing Granite benches								

30/6

Executive Engineer, (BTP), BBMP.

Contractor

Junior Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division

Sl. No.	Description	Unit	No	L (m)	B1 (m)	D/H (m)	Qty.	Quoted rate	Amount
	Sahakarnagar C Block park	No.	4.0				4.00		
	CQAL layout park	No.	11.0				11.00		
		Sqm					15.00		
						Total	15.00		
						Lim to	15.00	10972.50	164587.50
9	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation.								
	Sahakarnagar C Block park	Sqm	1	3.90	2.20	0.00	8.58		
	CQAL layout park	Sqm	1	4.20	2.30	0.00	9.66		
	Children park	Sqm	1	4.20	2.30	0.00	9.66		
	Sahakarnagar park	Sqm	1	3.50	2.00	0.00	7.00		
						Total	34.90		
						Lim to	33.00	3336.39	110100.87
10	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete)								
	Sahakarnagar C Block park	Rm	42	2.00			84.00		
	CQAL layout park	Rm	62	2.00			124.00		
						Total	208.00		
						Lim to	189.80	951.51	180596.59
11	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint.								
	For chain link fencing								
	Sahakaranagara C Block park	Rm	3	25.00			75.00		
		Rm	3	4.80			14.40		
		Rm	3	5.70			17.10		
		Rm	3	13.00			39.00		
		Rm	3	29.30			87.90		
	CQAL layout eastern side	Rm	3	4.00			12.00		
		Rm	3	25.00			75.00		

320.40

Contractor

Junior Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division

Sl. No.	Description	Unit	No	L (m)	B1 (m)	D/H (m)	Qty.	Quoted rate	Amount
	Broken one replaced	Rm	3	37.60			112.80		
		Rm	3	14.00			42.00	154.30	
		Rm				Total	475.20		
						Lim to	474.00	451.94	214219.56
12	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint								
	Sahakaranagara C Block park	Sqm	1	25.00		1.80	45.00		
		Sqm	1	4.80		1.80	8.64		
		Sqm	1	5.70		1.80	10.26		
		Sqm	1	13.00		1.80	23.40		
		Sqm	1	29.30		1.80	52.74		
	CQAL layout eastern side	Sqm	1	4.00		2.40	9.60		
		Sqm	1	25.00		2.40	60.00		
		Sqm	1	37.60		2.40	90.24		
		Sqm	1	44.00		2.40	105.60		
		Sqm	1	27.40		2.40	65.76		
	Childrens park	Sqm	1	30.00		1.80	54.00		
		Sqm	1	30.00		1.80	54.00		
		Sqm	1	30.00		1.80	54.00		
						Total	633.24		
						Lim to	613.20	792.01	485660.53
13	Providing precast slabs of 100mm thick including cost of all materials, labour, curing, transportation, loading, unloading etc., complete as per the direction of the Engineer in charge opf the work								
	over side drains	Sqm	1	20.00	0.90		18.00		
		Sqm	1	16.00	0.90		14.40		
						Total	32.40		
						Lim to	31.50	2442.17	76928.35
14	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete								
	For pathway								
	Sahakaranagara C Block park	No.	56				56.00		
		No.	22				22.00		
		No.	19				19.00		
		No.	29				29.00		
		No.	66				66.00		
	CQAL layout park	No.	10				10.00		

202.00

Executive Engineer, (BTP), BBMP.

Executive Engineer (BTP), BBMP.

Contractor

Junior Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Sl. No.	Description	Unit	No	L (m)	B1 (m)	D/H (m)	Qty.	Quoted rate	Amount
		No.	10				10.00		
		No.	61				61.00		
		No.	11				11.00		
		No.	73				73.00		
		No.	77				77.00		
		No.	98				98.00		
	Children park pathway broken	No.	56				56.00		
		No.	45				45.00		
	Missing ones - 20th crs road	No.	130				130.00		
		No.	150				150.00		
	9th main road	No.	182				182.00		
						Total	1095.00		
						Lim to	1094.00	451.94	494422.36
15	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.								
	Sahakaranagara C Block park	Sqm	2	25.00		0.40	20.00		
		Sqm	2	9.60		0.40	7.68		
		Sqm	2	8.40		0.40	6.72		
		Sqm	2	13.00		0.40	10.40		
		Sqm	2	29.30		0.40	23.44		
	CQAL layout park	Sqm	2	4.20		0.40	3.36		
		Sqm	2	4.10		0.40	3.28		
		Sqm	2	27.40		0.40	21.92		
		Sqm	2	4.60		0.40	3.68		
		Sqm	2	32.60		0.40	26.08		
		Sqm	2	34.50		0.40	27.60		
		Sqm	2	44.00		0.40	35.20		
	Children park pathway broken	Sqm	2	25.00		0.40	20.00		
		Sqm	2	20.00		0.40	16.00		
						Total	225.36		
						Lim to	221.04	40.98	9058.21
16	Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications								
	Qty vide item No. 15	Sqm					221.04		
						Total	221.04		
						Lim to	221.04	94.15	20810.91

Executive Engineer, (BTP), BBMP.

Contractor

Junior Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Sl. No.	Description	Unit	No	L (m)	B1 (m)	D/H (m)	Qty.	Quoted rate	Amount
17	Supplying and fixing of children multi rquipment with curved slide and number panel: upright structural posts of hright 4m,2.7m 3.3m schedule HOT DIP galvanized steel with a114 mm OD and 2.2,, (wall) thickness of the tubing all matal components are to be finsihied with a backed on power coat finish with deck of size 1.45x1.45m and staicase of size 1.5mx0.77 m are fabricated from 2mm oerfirated solid punched steel deck permeter is precision pre punced for attachements deck are pressed punched and welded sand blaseted and vinyl plastic coated to a thickness of 4mm along with handrail if height 2.2m and dia 32mm shall be abn all robotic welded unit fabricated from 32 OD galvanzied steel pipes with backed on powercoating finish curved slide of size 1.94x1.85m x2.4m panels toprails of monkey loops of size 1.8mx1.3m deck if size 1.45x1.45 m are fabricated from 2mm perforated and welded sand blasted and vinyl plastic coated to a thickness of 4mm roof of size dia 2m and height 0.82m								
	Children park	Each	1				1.00		
						Total	1.00		
						Lim to	1.00	2300353.28	2300353.28
	For Electrical Works								
18	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom .....mm, top....mm with 3mm thick, suitable base plate and 4Nos of long bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended.3 meters - Top 70mm and bottom 130mm dia								
		No	11				11.00		
						Total	11.00		
						Lim to	11.00	5360.00	58960.00
19	Supply of LED pole mounting type post top lantern with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/ clear glass material, delivering superior light output.Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB . LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.LED Post Top Lantern with 35 watts								
		No	11				11.00		
						Total	11.00		
						Lim to	11.00	6400.00	70400.00

Contractor

Junior Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division

Sl. No.	Description	Unit	No	L (m)	B1 (m)	D/H (m)	Qty.	Quoted rate	Amount
20	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm								
		Rm	1	230.00			230.00		
						Total	230.00		
						Lim to	230.00	150.00	34500.00
21	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.6 sqmm to 16 sqmm								
		Rm	1	230.00			230.00		
						Total	230.00		
						Lim to	230.00	11.88	2732.40
22	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)								
		Rm	1	150.00			150.00		
						Total	150.00		
						Lim to	150.00	76.00	11400.00
23	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.1.5 sqmm								
		Rm	1	80.00			80.00		
						Total	80.00		
						Lim to	80.00	20.50	1640.00
24	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.10 sqmm								
		Rm	1	8.00			8.00		
						Total	8.00		
						Lim to	8.00	115.00	920.00
25	Providing Rcc Pole pedstal of Size 0.3x0.3x0.8 Mtrs Including digging of pit, tor steel, anchoring bolts nuts ,templates ,Centring,1;4;8base concrete,1;2;4pedestal concrete and etc coplete as per the data sheet enclosed								
		No.	11				11.00		
						Total	11.00		
						Lim to	11.00	1695.00	18645.00

Contractor

Junior Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division

Sl. No.	Description	Unit	No	L (m)	B1 (m)	D/H (m)	Qty.	Quoted rate	Amount
26	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia								
		No.	2				2.00		
						Total	2.00		
						Lim to	2.00	2999.70	5999.40
27	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.16SWG								
		Sqcm	70000				70000.00		
						Total	70000.00		
						Lim to	70000.00	0.35	24500.00
28	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.40x40x6mm								
		No.	16				16.00		
						Total	16.00		
						Lim to	16.00	255.00	4080.00
29	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps								
		No.	2				2.00		
						Total	2.00		
						Lim to	2.00	7200.00	14400.00
30	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 40 Amps DP								
		No.	4				4.00		
						Total	4.00		
						Lim to	4.00	1336.00	5344.00
31	Supplying and Fixing of. mm dia class A GI pipe bracket up to 2 Mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires.Using 32mm dia G.I.Pipe								

Contractor

Junior Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division

Kodigehalli Sub Division
BBMP, Bangalore

Sl. No.	Description	Unit	No	L (m)	B1 (m)	D/H (m)	Qty.	Quoted rate	Amount
		No.	7				7.00		
						Total	7.00		
						Lim to	7.00	835.00	5845.00
	micro processor Based Astronomical time switch								
32 15	Supplying and fixing of ~~Twin Dial electro mechanical timer (without contactor) using necessary bolts, nuts and washers etc: Group A~~ using necessary bolts/nuts & washer.								
		No.	2				2.00		
						Total	2.00	4030	8060.00
						Lim to	2.00	4200.00	8400.00
33 16	a) Developing hedges by digging trenches of size 0.45x0.45m filing 50% of the trench with excavted top 1 soil and remaining (0.0224 Cum) (i.e.in the proportion of 1:2:3) Exclusive of cost plants and inclusive ingredients.								
		Rm	1	650.00			650.00		
						Total	650.00		
						Lim to	650.00	195.00	126750.00
34 17	b) Cost of plants (7 plants per rmt)								
		Rm	1	650.00			650.00		
						Total	650.00		
						Lim to	650.00	210.00	136500.00
35 18/A	Supplying & Planting of specimen plants - Digging pits size 0.75mx0.75mx0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym, Red earth (0,021 Cum) (ie in the proportion of 1 :2:3) and Ficus Ponda (90cm-150cm ht) including cost of plant, materials, transporation and 2 handling & planting cost)								
		Each	37				37.00		
						Total	37.00		
						Lim to	37.00	2500.00	92500.00
36 18B	Supplying & Planting of specimen plants - Diging pits size 0.75mx0.75mx0.75 filling up to 50% the pits with top excavated soil and remainging 50% with sand, Fym, Red earth (0,021 Cum) (ie in the proportion of 1 :2:3) and Ficus Benamina Black (90cm 150cm ht) including cost of plant, materials, transporation and handling & planting cost)								
		Each	36				36.00		
						Total	36.00		
						Lim to	36.00	2500.00	90000.00
	Sub Total-1						6873647.92		6873988.31
	Add GST charges @ 12%						824837.75		824878.59
	Total Rs						7698485.67		7698866.90

Round off. 7698000.00

CA to CP 30/6/22

Contractor

Junior Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore